



**DEPARTMENT OF GENERAL SERVICES**

Isiah Leggett  
*County Executive*

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July 3, 2013

To: Isiah Leggett, County Executive  
Nancy Navarro, Council President

From: David Dise, Director *D*

Subject: Progress Update – Remediation of Defects at Silver Spring Transit Center

Following is an update on the work of the Cooperative Remediation Working Group (CRWG) for remediation of defects at the Silver Spring Transit Center (SSTC). Progress of the remediation effort is presented by key area.

**Pour Strip Repairs**

- Final permitting design documents were submitted to DPS on June 20, 2013. Review is in progress and permits are expected soon. Work will start once permits are received.
- Foulger Pratt and its subcontractor, Structural, presented revised construction documents for review and comment. Structural is developing the concrete mix design to be used in the under-slab beams.
- A mock-up of the “means and methods” for the installation of the new augmenting beams will be performed. This will ensure seamless execution of the work once it begins and allow verification of transport and placement times for the concrete to be used in the work.
- As stated in the June 18, 2013 Council briefing, WMATA has expressed its preference for complete removal and replacement of concrete in the pour strips. This differs with its earlier concern about the damage complete removal may cause to imbedded conduits and the surrounding area. Sharing this concern, KCE and the rest of the CRWG supports and approves the remediation design submitted for permit. Under its MOU with the County WMATA must review and comment on the recommended design. WMATA response thus far has been to reiterate its preference for complete removal and replacement of the concrete.

**Surface Overlay on Decks**

- Final review is underway for the two overlay options; Latex Modified Concrete, and Polymer Bonded Overlay.
- Ground Penetrating Radar (GPR) testing is ongoing on both elevated decks to confirm localized areas of low concrete cover. The completion of GPR work and report is due by July 11, 2013.
- The GPR results are fundamental to the selection of the overlay method and the extent of localized remediation.

#### Column Repairs

- KCE will prepare a summary of the findings presented by the fire protection specialist indicating that the columns meet the design and permit basis for Class 1A for fire protection for the SSTC.
- Responding to a WMATA request, the fire protection specialist is performing additional examination of Fire Code compliance for the entire structure.

#### Beam and Girder Repairs

- Evaluation of the load-bearing capacity continues. This will identify any beam or girder that may need repair. Completion of this analysis is expected by the next CRWG meeting on July 11, 2013.
- KCE is evaluating the need for and expected scope of the “slot stress test” requested by WMATA. KCE will review and base its findings on analysis of tests performed during construction and as part of its comprehensive investigations.

cc: Roger Berliner, Chair, T&E Committee  
Tim Firestine, Chief Administrative Officer